

Structural Eurocodes



Full UK Implementation by 2010
Are you ready?

Roadshow delegates receive 10% discount on all Eurocodes
see reverse for details

Roadshows 2007

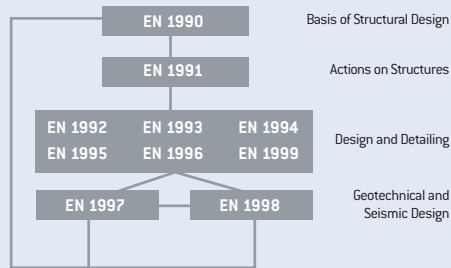
Belfast Tuesday 2 October
Birmingham Monday 8 October
Cardiff Tuesday 9 October
London Thursday 8 November
Manchester Monday 19 November
Leeds Tuesday 20 November
Glasgow Thursday 29 November

Supported by



The Structural Eurocodes

The ten structural eurocodes consist of the head code, EN1990 and then nine design codes EN1991 to EN1999, grouped by material. The Eurocodes are linked as follows:



Structural Eurocodes offer the opportunity of harmonised design standards for the European construction market and the rest of the world. To leverage this opportunity, the construction industry needs to effectively implement the Eurocodes now.

Our solution

Eurocodes Expert helps to facilitate their implementation through a varied portfolio of offerings. Sources of information include a website, designers' guides, events, training, consultancy and news bulletins. Eurocodes Expert also provides a users' group service.

Website

Eurocodes Expert website is the definitive pan-industry website for Eurocodes knowledge. The site provides easy access to comprehensive support resources supplied by an extensive range of content partners drawn from the professional bodies, trade associations and Government.

Blended learning programme

Eurocodes Expert offers a wealth of expertise through effective training and publications providing the opportunity to supplement existing knowledge through an integrated learning solution.

Why is training needed?

Whether you are an experienced designer using British Standards or new to design, Eurocodes will soon apply to you. Our courses are designed for the rapid deployment of targeted learning allowing you to set and achieve goals to align with critical business milestones.

Why Eurocodes Expert Training?

Our courses are designed to enable delegates to focus on acquiring key skills as well as maximising retention. Courses can be tailored to meet business requirements and run on an in-house basis.

Our proven track record and long standing client relationships demonstrate our unrivalled commitment to delivering a highly cost-effective premium learning solution.

- Thomas Telford through its Eurocode Expert brand, is the industry leading provider of knowledge for Eurocode expertise.
- Through our acclaimed, highly effective subject expert tutors, learners are assured an engaging learning experience.
- All the training courses listed below are one day in duration and cost £265 + VAT

D9201

Design of concrete structures to Eurocode 2

Eurocode 2 is the new standard for the design of concrete structures and is of fundamental importance given the predominance of concrete in civil engineering construction. Whilst the transfer of concrete design to Eurocode 2 will have a significant impact on UK design practice it is a robust code and offers a less prescriptive approach to design.

Why attend?

- It is essential to recognise the key differences between Eurocode 2 and BS8110 and its impact on UK practice
- Understand the Structural Eurocode programme currently in production
- Familiarise yourself with the key elements of the new concrete design code and its application
- Acquire a broad introduction to practical design and analysis using Eurocode 2

When and where?

20 November 2007	Ascot
4 March 2008	Cambridge
8 April 2008	Bristol
24 June 2008	Birmingham

D9702

Eurocode 7: Geotechnical design

Eurocode 7 represents a marked change in UK practice and with significant demands on those undertaking geotechnical designs to appreciate, understand and apply the new approach. It introduces greater discipline in having to think more explicitly about the many sources of uncertainty in geotechnical design and offers great flexibility at the same time as increased rigour.

Why attend?

- It is essential to recognise the key features of Eurocode 7 and its impact on UK practice
- Understand the structure, operation and interaction of Eurocode 7 within the Eurocode suite
- Familiarise yourself with the key elements of the new geotechnical design code and its application
- Acquire an overview of the Eurocode suite and Geotechnical design in the context of Eurocode led design approaches

When and where?

17 October 2007	Ascot
4 December 2007	Birmingham South
6 February 2008	Bristol
17 April 2008	Birmingham South
5 June 2008	Stevenage

D9101

Eurocode 1: Actions on structures

Eurocode 1 is the primary document covering actions on structures and is fundamental to

the utilisation of the Eurocode suite. This course introduces the Eurocode system in general and EN1991 in particular. There is particular focus on self, imposed, wind and snow loads together with thermal and wind actions. Sessions are also delivered on actions during execution, accidental loadings and risk analysis.

Why attend?

- It is essential to recognise the key differences between the current BSI codes and Eurocode 1
- Understand definitions, philosophy and application to design practice of loading
- Familiarise yourself with the key elements of the new structure and scope of the Eurocode system and status of integration
- Acquire a comprehensive introduction to Eurocode 1 Actions on Structures

When and where?

14 November 2007	Nottingham/Derby
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D9301

Design of steel structures to Eurocode 3

Eurocode 3 is the new standard for design of steel structures and the key parts of the code have now been finalised. It covers many forms of steel construction and provides the most comprehensive and up to date set of design guidance currently available.

Why attend?

- It is essential to recognise the most commonly encountered aspects of structural steel design
- Understand the provisions of Part 1-1: General rules and rules for buildings of EN 1993 with an emphasis on buildings
- Familiarise yourself with supplemental material on loading, joints and plated structures
- Acquire background for each of the principal aspects, to the structural behaviour and explanation of the codified treatment including departure from existing practice (BS 5950)

When and where?

4 October 2007	Bristol
28 November 2007	Nottingham/Derby
31 January 2008	Ascot
8 April 2008	Birmingham South
28 May 2008	Bristol

D9602

Design of structural masonry to Eurocode 6

Eurocode 6 represents a marked change in UK practice and there will be significant demands on those undertaking masonry designs to appreciate, understand and apply the new approach to both the strength of materials and the method of design. It introduces a new classification of masonry units and also a new design approach for masonry compression members.

Why attend?

- It is essential to recognise the key elements of the new design code
- Understand masonry design in the context of the other design Eurocodes
- Familiarise yourself with the design of unreinforced brick and block masonry
- Acquire a considered introduction Eurocode 6

When and where?

20 November 2007	Ascot
5 December 2007	Manchester
9 April 2008	Ascot

How can I book training?

All orders can be placed via the Eurocodes Expert website eurocodes.co.uk or

t 0800 183 0133
e training@thomastelford.com
w tttrain.co.uk

"...I commend them."

D W Lazenby CBE
Director – British Standards, BSI
Chairman of CEN/TC 250 "The Structural Eurocodes" 1991 – 1999

Designers' Guide to EN1993-2 Eurocode 3: Design of steel structures Part 2: steel bridges

C R Hendy and C J Murphy

EN 1993-2, also known as the Eurocode 3 for steel bridges, describes the principles and requirements for safety, serviceability and durability of concrete bridges. This Designers' Guide provides the user with guidance on the interpretation and use of EN 1993-2 and also the relevant provisions in EN 1993-1-1, EN 1993-1-5, EN 1993-1-8, EN 1993-1-9, EN 1993-1-10 and EN 1993-1-11. Worked examples are provided to illustrate the use of the rules. It also explains the relationship with other Eurocode parts to which it refers (ENs 1990, 1991).

The provision of background information and references also enables the users of Eurocode 3: Part 2 to understand the origin and objectives of its provisions.

September 2007 • Hardbound • 344 pages • 297 x 210 mm • 9780 7277 3160 9 • £85.00

New release

Contents

- General
- Basis of design
- Materials
- Durability
- Structural analysis
- Ultimate limit states
- Serviceability limit states
- Fasteners, welds, connections and joints
- Fatigue assessment
- Design assisted by testing



Forthcoming releases

Actions - General

Designers' Guide to EN 1991-1-1, 1991-1-3 and 1991-1-5 to 1-7

Eurocode 1: Actions on structures: general rules and actions on buildings (except wind) Actions on structures: buildings

H Gulvanessian, J A Calgaro, P Formichi, G Harding

Expected May 2008	Hardbound	200 pages
297 x 210 mm	9780 7277 3156 2	£55.00

Actions – Bridges

Designers' Guide to EN 1991-2, EN 1991-1-3 and EN1991-1-3 to 1-7

Eurocode 1: Actions on structures: traffic loads and other actions on bridges

J-A Calgaro, M Tschumi, N Shetty and H Gulvanessian

Expected May 2008	Hardbound	250 pages
297 x 210 mm	9780 7277 3158 6	£60.00

Design – Timber

Designers' Guide to EN 1995-1-1 Eurocode 5: Design of timber structures Common rules and rules for buildings

P Ross

Expected November 2008	Hardbound	230 pages
297 x 210 mm	9780 7277 3162 3	£55.00

Design – Masonry

Designers' Guide to EN 1996 Eurocode 6: Design of masonry structures Common rules for reinforced and un-reinforced masonry structures

J Morton

Expected May 2008	Hardbound	160 pages
297 x 210 mm	9780 7277 3155 5	£50.00

Why Eurocodes Expert Books?

The year ahead promises to be a great year as we publish more ground-breaking titles and continue to provide authoritative and comprehensive information for professionals and academics world-wide.

How can I place an order?

All orders can be placed via the Eurocodes Expert website eurocodes.co.uk or

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Current releases

Structural Design

Designers' Guide to EN 1990 Eurocode: Basis of structural design

H Gulvanessian, J-A Calgaro and M Holický

2002	Hardbound	208 pages
297 x 210 mm	9780 7277 3011 4	£50.00



Actions – Wind

Designers' Guide to EN 1991-1-4 Eurocode 1: Actions on structures, general actions Parts 1–4 Wind actions

N Cook

March 2007	Hardbound	96 pages
297 x 210 mm	9780 7277 3152 4	£50.00



Actions – Fire

Designers' Guide to EN 1991-1-2, EN 1992-1-2, EN 1993-1-2 and EN 1994-1-2

Actions on structures exposed to fire and structural fire design

T Lennon, D B Moore, Y C Wang and C G Bailey

January 2007	Hardbound	144 pages
297 x 210 mm	9780 7277 3157 9	£55.00



Design – Concrete

Designers' Guide to EN 1992-1-1 and EN 1992-1-2

Eurocode 2: Design of concrete structures

General rules and rules for buildings and structural fire design

R S Narayanan and A Beeby

September 2005	Hardbound	232 pages
297 x 210 mm	9780 7277 3105 0	£65.00



Designers' Guide to EN 1992-2 Eurocode 2: Design of concrete structures Part 2: Concrete bridges

C R Hendy and D A Smith

January 2007	Hardbound	392 pages
297 x 210 mm	9780 7277 3159 3	£85.00



Design – Steel

Designers' Guide to EN 1993-1-1 Eurocode 3: Design of steel structures General rules and rules for buildings

L Gardner and D Nethercot

January 2005	Hardbound	176 pages
297 x 210 mm	9780 7277 3163 0	£50.00



Design – Composite steel and concrete

Designers' Guide to EN 1994-1-1 Eurocode 4: Design of composite steel and concrete structures Part 1.1: General rules and rules for buildings

R P Johnson and D Anderson

June 2004	Hardbound	248 pages
297 x 210 mm	9780 7277 3151 7	£50.00



Designers' Guide to EN 1994-2 Eurocode 4: Design of composite steel and concrete structures Part 2: General rules and rules for bridges

C R Hendy and R P Johnson

August 2006	Hardbound	216 pages
297 x 210 mm	9780 7277 3161 6	£65.00



Design – Masonry – Geotechnical

Designers' Guide to EN 1997-1 Eurocode 7: Geotechnical design – general rules

R Frank, C Bauduin, R Driscoll, M Kavvadas, N Krebs Ovesen, T Orr and B Schuppener

November 2004	Hardbound	236 pages
297 x 210 mm	9780 7277 3154 8	£50.00



Design – Masonry – Seismic

Designers' Guide to EN 1998-1 and 1998-5 Eurocode 8: Design of structures for earthquake resistance. General rules, seismic actions, design rules for buildings, foundations and retaining structures

M N Fardis, E Carvalho, A Elnashai, E Faccioli, P Pinto and A Plumier

September 2005	Hardbound	294 pages
297 x 210 mm	9780 7277 3348 1	£75.00



